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205 papers	5,812 citations	39 h-index	67 g-index
226 ext. papers	6,523 ext. citations	4.6 avg, IF	5.65 L-index

#	Paper	IF	Citations
205	The successive projections algorithm for variable selection in spectroscopic multicomponent analysis. *Chemometrics and Intelligent Laboratory Systems*, **2001**, 57, 65-73	3.8	743
204	A method for calibration and validation subset partitioning. *Talanta*, **2005**, 67, 736-40	6.2	527
203	A variable elimination method to improve the parsimony of MLR models using the successive projections algorithm. *Chemometrics and Intelligent Laboratory Systems*, **2008**, 92, 83-91	3.8	165
202	The successive projections algorithm. *TrAC - Trends in Analytical Chemistry*, **2013**, 42, 84-98	14.6	138
201	The successive projections algorithm for spectral variable selection in classification problems. *Chemometrics and Intelligent Laboratory Systems*, **2005**, 78, 11-18	3.8	133
200	Classification of distilled alcoholic beverages and verification of adulteration by near infrared spectrometry. *Food Research International*, **2006**, 39, 182-189	7	109
199	NIR spectrometric determination of quality parameters in vegetable oils using iPLS and variable selection. *Food Research International*, **2008**, 41, 341-348	7	97
198	Classification of Brazilian soils by using LIBS and variable selection in the wavelet domain. *Analytica Chimica Acta*, **2009**, 642, 12-8	6.6	96
197	Determination of total sulfur in diesel fuel employing NIR spectroscopy and multivariate calibration. *Analyst, The*, **2003**, 128, 1204-7	5	88
196	Digital image-based titrations. *Analytica Chimica Acta*, **2006**, 570, 283-90	6.6	84
195	Flow-batch analysis. *TrAC - Trends in Analytical Chemistry*, **2012**, 35, 39-49	14.6	75
194	Aspects of the successive projections algorithm for variable selection in multivariate calibration applied to plasma emission spectrometry. *Analytica Chimica Acta*, **2001**, 443, 107-115	6.6	74
193	UV Vis spectrometric classification of coffees by SPA DA. *Food Chemistry*, **2010**, 119, 368-371	8.5	69
192	Modified microelectrodes and multivariate calibration for flow injection amperometric simultaneous determination of ascorbic acid, dopamine, epinephrine and dipyrone. *Analyst, The*, **2000**, 125, 2011-5	5	69
191	Screening analysis to detect adulterations in Brazilian gasoline samples using distillation curves. *Fuel*, **2004**, 83, 917-923	7.1	67
190	Near infrared reflectance spectrometry classification of cigarettes using the successive projections algorithm for variable selection. *Talanta*, **2009**, 79, 1260-4	6.2	65
189	flow injection systems wiht inductively-coupled argon plasma atomic emission spectrometry. *Analytica Chimica Acta*, **1983**, 145, 169-178	6.6	64

188	Modeling excitation-emission fluorescence matrices with pattern recognition algorithms for classification of Argentine white wines according grape variety. *Food Chemistry*, **2015**, 184, 214-9	8.5	61
187	A flow-batch titrator exploiting a one-dimensional optimisation algorithm for end point search. *Analytica Chimica Acta*, **1999**, 396, 91-97	6.6	61
186	Using UV-Vis spectroscopy for simultaneous geographical and varietal classification of tea infusions simulating a home-made tea cup. *Food Chemistry*, **2016**, 192, 374-9	8.5	58
185	A method for determination of COD in a domestic wastewater treatment plant by using near-infrared reflectance spectrometry of seston. *Analytica Chimica Acta*, **2007**, 588, 231-6	6.6	56
184	The successive projections algorithm for interval selection in PLS. *Microchemical Journal*, **2013**, 110, 202-208	4.8	55
183	Digital image-based flame emission spectrometry. *Talanta*, **2009**, 77, 1584-9	6.2	55
182	Identification of adulteration in ground roasted coffees using UV‑Vis spectroscopy and SPA-LDA. *LWT - Food Science and Technology*, **2015**, 63, 1037-1041	5.4	50
181	A strategy for selecting calibration samples for multivariate modelling. *Chemometrics and Intelligent Laboratory Systems*, **2004**, 72, 83-91	3.8	50
180	A digital image-based method for determining of total acidity in red wines using acid-base titration without indicator. *Talanta*, **2011**, 84, 601-6	6.2	49
179	Screening analysis of beer ageing using near infrared spectroscopy and the Successive Projections Algorithm for variable selection. *Talanta*, **2012**, 89, 286-91	6.2	47
178	Electroanalytical determination of carbendazim by square wave adsorptive stripping voltammetry with a multiwalled carbon nanotubes modified electrode. *Analytical Methods*, **2011**, 3, 1202	3.2	47
177	Simultaneous Classification of Teas According to Their Varieties and Geographical Origins by Using NIR Spectroscopy and SPA-LDA. *Food Analytical Methods*, **2014**, 7, 1712	3.4	46
176	QSPR modeling of soil sorption coefficients (K(OC)) of pesticides using SPA-ANN and SPA-MLR. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 7153-8	5.7	46
175	Robust modeling for multivariate calibration transfer by the successive projections algorithm. *Chemometrics and Intelligent Laboratory Systems*, **2005**, 76, 65-72	3.8	45
174	Synthesis of highly fluorescent carbon dots from lemon and onion juices for determination of riboflavin in multivitamin/mineral supplements. *Journal of Pharmaceutical Analysis*, **2019**, 9, 209-216	14	45
173	An application of subagging for the improvement of prediction accuracy of multivariate calibration models. *Chemometrics and Intelligent Laboratory Systems*, **2006**, 81, 60-67	3.8	43
172	Classification of edible vegetable oils using square wave voltammetry with multivariate data analysis. *Talanta*, **2009**, 77, 1660-6	6.2	42
171	Flow-batch technique for the simultaneous enzymatic determination of levodopa and carbidopa in pharmaceuticals using PLS and successive projections algorithm. *Talanta*, **2008**, 75, 950-8	6.2	41

170	Cross-validation for the selection of spectral variables using the successive projections algorithm. *Journal of the Brazilian Chemical Society*, **2007**, 18, 1580-1584	1.5	41
169	A robotic magnetic nanoparticle solid phase extraction system coupled to flow-batch analyzer and GFAAS for determination of trace cadmium in edible oils without external pretreatment. *Talanta*, **2018**, 178, 384-391	6.2	40
168	Boron-doped diamond electrode acting as a voltammetric sensor for the detection of methomyl pesticide. *Journal of Electroanalytical Chemistry*, **2017**, 789, 100-107	4.1	39
167	A novel strategy to verification of adulteration in alcoholic beverages based on Schlieren effect measurements and chemometric techniques. *Microchemical Journal*, **2004**, 78, 27-33	4.8	39
166	Simplified tea classification based on a reduced chemical composition profile via successive projections algorithm linear discriminant analysis (SPA-LDA). *Journal of Food Composition and Analysis*, **2015**, 39, 103-110	4.1	38
165	Using a simple digital camera and SPA-LDA modeling to screen teas. *Analytical Methods*, **2012**, 4, 2648	3.2	38
164	Determination of fat content in chicken hamburgers using NIR spectroscopy and the Successive Projections Algorithm for interval selection in PLS regression (iSPA-PLS). *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 189, 300-306	4.4	36
163	Hardness screening of water using a flow-batch photometric system. *Analytica Chimica Acta*, **2004**, 518, 25-30	6.6	36
162	Digital image-based classification of biodiesel. *Talanta*, **2015**, 139, 50-5	6.2	35
161	A digital image-based flow-batch analyzer for determining Al(III) and Cr(VI) in water. *Microchemical Journal*, **2013**, 109, 106-111	4.8	35
160	Successive projections algorithm improving the multivariate simultaneous direct spectrophotometric determination of five phenolic compounds in sea water. *Microchemical Journal*, **2007**, 85, 194-200	4.8	35
159	A digital image-based micro-flow-batch analyzer. *Microchemical Journal*, **2013**, 106, 238-243	4.8	32
158	Implementation of an automatic standard addition method in a flow-batch system: application to copper determination in an alcoholic beverage by atomic absorption spectrometry. *Analytica Chimica Acta*, **2003**, 486, 143-148	6.6	32
157	Simultaneous determination of goat milk adulteration with cow milk and their fat and protein contents using NIR spectroscopy and PLS algorithms. *LWT - Food Science and Technology*, **2020**, 127, 109427	5.4	31
156	A graphical user interface for variable selection employing the Successive Projections Algorithm. *Chemometrics and Intelligent Laboratory Systems*, **2012**, 118, 260-266	3.8	31
155	Automatized flow-batch method for fluorescent determination of free glycerol in biodiesel samples using on-line extraction. *Talanta*, **2012**, 89, 21-6	6.2	31
154	Simultaneous determination of hydroquinone, resorcinol, phenol, m-cresol and p-cresol in untreated air samples using spectrofluorimetry and a custom multiple linear regression-successive projection algorithm. *Talanta*, **2010**, 83, 320-3	6.2	30
153	An inexpensive, portable and microcontrolled near infrared LED-photometer for screening analysis of gasoline. *Talanta*, **2008**, 75, 792-6	6.2	29

152	Highly sensitive quantitation of pesticides in fruit juice samples by modeling four-way data gathered with high-performance liquid chromatography with fluorescence excitation-emission detection. *Talanta*, **2016**, 154, 208-18	6.2	27
151	Handling time misalignment and rank deficiency in liquid chromatography by multivariate curve resolution: Quantitation of five biogenic amines in fish. *Analytica Chimica Acta*, **2016**, 902, 59-69	6.6	27
150	Screening analysis of biodiesel feedstock using UV-vis, NIR and synchronous fluorescence spectrometries and the successive projections algorithm. *Talanta*, **2012**, 97, 579-83	6.2	27
149	Geographical origin classification of Argentinean honeys using a digital image-based flow-batch system. *Microchemical Journal*, **2014**, 112, 104-108	4.8	26
148	Indirect determination of sodium diclofenac, sodium dipyrone and calcium gluconate in injection drugs using digital image-based (webcam) flame emission spectrometric method. *Analytical Methods*, **2011**, 3, 1975	3.2	25
147	Optimal wavelet filter construction using X and Y data. *Chemometrics and Intelligent Laboratory Systems*, **2004**, 70, 1-10	3.8	25
146	A solution to the wavelet transform optimization problem in multicomponent analysis. *Chemometrics and Intelligent Laboratory Systems*, **2003**, 66, 205-217	3.8	25
145	Screening for Coffee Adulteration Using Digital Images and SPA-LDA. *Food Analytical Methods*, **2015**, 8, 1515-1521	3.4	24
144	Multicommutated generation of concentration gradients in a flow-batch system for metronidazole spectrophotometric determination in drugs. *Analytica Chimica Acta*, **2004**, 511, 113-118	6.6	24
143	An automated FIA system to determine alcoholic grade in beverages based on Schlieren effect measurements using an LED-photocolorimeter. *Analyst, The*, **2002**, 127, 324-327	5	24
142	A modification of the successive projections algorithm for spectral variable selection in the presence of unknown interferents. *Analytica Chimica Acta*, **2011**, 689, 22-8	6.6	23
141	Standard additions in flow injection analysis based on merging zones and gradient exploitation: application to copper determination in spirits. *Analytica Chimica Acta*, **1996**, 319, 153-158	6.6	23
140	Using iSPA-PLS and NIR spectroscopy for the determination of total polyphenols and moisture in commercial tea samples. *Analytical Methods*, **2015**, 7, 3379-3384	3.2	22
139	A microfluidic device with integrated fluorimetric detection for flow injection analysis. *Analytical and Bioanalytical Chemistry*, **2010**, 396, 715-23	4.4	22
138	Qualitative and quantitative analysis based on digital images to determine the adulteration of ketchup samples with Sudan I dye. *Food Chemistry*, **2020**, 328, 127101	8.5	22
137	Flow-batch miniaturization. *Talanta*, **2011**, 86, 208-13	6.2	21
136	An automated flow-injection titrator for spectrophotometric determinations of total acidity in wines, using a single standard solution and gradient calibration. *Analyst, The*, **1999**, 124, 1727-1730	5	21
135	A fast procedure for standard additions in flow injection analysis. *Analytica Chimica Acta*, **1985**, 171, 337-343	6.6	21

134	Automatic microemulsion preparation for metals determination in fuel samples using a flow-batch analyzer and graphite furnace atomic absorption spectrometry. *Analytica Chimica Acta*, **2012**, 727, 34-40	6.6	20
133	Flow-Batch Analyzer for the Chemiluminescence Determination of Catecholamines in Pharmaceutical Preparations. *Analytical Letters*, **2011**, 44, 67-81	2.2	20
132	Improvement of prediction ability of PLS models employing the wavelet packet transform: A case study concerning FT-IR determination of gasoline parameters. *Talanta*, **2007**, 71, 1136-43	6.2	20
131	Simultaneous identification of the wood types in aged cacha ̂ as and their adulterations with wood extracts using digital images and SPA-LDA. *Food Chemistry*, **2019**, 273, 77-84	8.5	20
130	Binary classification of chalcone derivatives with LDA or KNN based on their antileishmanial activity and molecular descriptors selected using the Successive Projections Algorithm feature-selection technique. *European Journal of Pharmaceutical Sciences*, **2014**, 51, 189-95	5.1	19
129	Classifica ̂ o peri ̂ dica: um exemplo did ̂ tico para ensinar an ̂ lise de componentes principais. *Quimica Nova*, **2010**, 33, 1594-1597	1.6	19
128	Ensemble wavelet modelling for determination of wheat and gasoline properties by near and middle infrared spectroscopy. *Analytica Chimica Acta*, **2010**, 682, 37-47	6.6	19
127	A flow-batch analyzer with piston propulsion applied to automatic preparation of calibration solutions for Mn determination in mineral waters by ET AAS. *Talanta*, **2007**, 73, 906-12	6.2	19
126	Analytical curve or standard addition method: how to elect and design--a strategy applied to copper determination in sugarcane spirits using AAS. *Analyst, The*, **2002**, 127, 1520-5	5	19
125	Two-dimensional linear discriminant analysis for classification of three-way chemical data. *Analytica Chimica Acta*, **2016**, 938, 53-62	6.6	18
124	Classification of individual cotton seeds with respect to variety using near-infrared hyperspectral imaging. *Analytical Methods*, **2016**, 8, 8498-8505	3.2	18
123	An ultrasonic-accelerated oxidation method for determining the oxidative stability of biodiesel. *Ultrasonics Sonochemistry*, **2013**, 20, 820-5	8.9	18
122	A flow-batch analyzer for UV-Vis spectrophotometric detection of adulteration in distilled spirits. *Journal of the Brazilian Chemical Society*, **2011**, 22, 1061-1067	1.5	18
121	Simultaneous spectrometric determination of Cu2+, Mn2+ and Zn2+ in polivitaminic/polimineral drug using SPA and GA algorithms for variable selection. *Journal of the Brazilian Chemical Society*, **2005**, 16, 58-61	1.5	18
120	Quantification and identification of adulteration in the fat content of chicken hamburgers using digital images and chemometric tools. *LWT - Food Science and Technology*, **2019**, 100, 20-27	5.4	18
119	Calibration transfer employing univariate correction and robust regression. *Analytica Chimica Acta*, **2015**, 864, 1-8	6.6	17
118	Simultaneous voltammetric determination of four organic acids in fruit juices using multiway calibration. *Food Chemistry*, **2018**, 266, 232-239	8.5	17
117	Determination of sodium and calcium in powder milk using digital image-based flame emission spectrometry. *Analytical Methods*, **2014**, 6, 1044-1050	3.2	17

116	Using color histograms and SPA-LDA to classify bacteria. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 5989-95	4.4	17
115	Electrochemical oxidation and electroanalytical determination of xylitol at a boron-doped diamond electrode. *Talanta*, **2014**, 119, 509-16	6.2	17
114	An inexpensive NIR LED Webcam photometer for detection of adulterations in hydrated ethyl alcohol fuel. *Microchemical Journal*, **2017**, 135, 148-152	4.8	17
113	Microcystin-LR and chemically degraded microcystin-LR electrochemical oxidation. *Analyst, The*, **2012**, 137, 1904-12	5	17
112	A digital image-based traceability tool of the geographical origins of Argentine propolis. *Microchemical Journal*, **2016**, 128, 62-67	4.8	17
111	Differentiation of cumin seeds using a metal-oxide based gas sensor array in tandem with chemometric tools. *Talanta*, **2018**, 176, 221-226	6.2	17
110	Turbidimetric and photometric determination of total tannins in tea using a micro-flow-batch analyzer. *Talanta*, **2012**, 88, 717-23	6.2	16
109	Near-infrared spectrometric determination of dipyrone in closed ampoules. *Talanta*, **2012**, 92, 84-6	6.2	16
108	A flow injection method for biamperometric determination of dipyrone in pharmaceuticals. *Microchemical Journal*, **2004**, 78, 91-96	4.8	16
107	A linear semi-infinite programming strategy for constructing optimal wavelet transforms in multivariate calibration problems. *Journal of Chemical Information and Computer Sciences*, **2003**, 43, 928-33		16
106	Vis-NIR spectrometric determination of Brix and sucrose in sugar production samples using kernel partial least squares with interval selection based on the successive projections algorithm. *Talanta*, **2018**, 181, 38-43	6.2	15
105	Photometric determination of phosphorus in mineralized biodiesel using a micro-flow-batch analyzer with solenoid micro-pumps. *Talanta*, **2012**, 98, 118-22	6.2	15
104	A micro-flow-batch analyzer with solenoid micro-pumps for the photometric determination of iodate in table salt. *Talanta*, **2012**, 100, 308-12	6.2	15
103	Automatic determination of chlorine without standard solutions using a biamperometric flow-batch analysis system. *Talanta*, **2010**, 81, 609-13	6.2	15
102	A coulometric flow cell for in-line generation of reagent, titrant or standard solutions. *Microchemical Journal*, **2006**, 82, 220-225	4.8	15
101	A Monosegmented Flow Titration for the Spectrophotometric Determination of Total Acidity in Vinegar.. *Analytical Sciences*, **1999**, 15, 665-668	1.7	15
100	Determination of tryptamine in foods using square wave adsorptive stripping voltammetry. *Talanta* , **2016**, 154, 134-40	6.2	15
99	Voltammetric determination of tartaric acid in wines by electrocatalytic oxidation on a cobalt(II)-phthalocyanine-modified electrode associated with multiway calibration. *Analytica Chimica Acta*, **2018**, 1008, 29-37	6.6	14

98	Accurate automatic titration procedure for low sharpness and dichroism in end point detection using digital movies as detection technique. *Microchemical Journal*, **2017**, 133, 593-599	4.8	13
97	Eco-friendly sonoluminescent determination of free glycerol in biodiesel samples. *Talanta*, **2013**, 114, 38-42	6.2	13
96	Multi-core computation in chemometrics: case studies of voltammetric and NIR spectrometric analyses. *Journal of the Brazilian Chemical Society*, **2010**, 21, 1626-1634	1.5	13
95	An automatic titrator based on a multicommutated unsegmented flow system: Its application to acidBase titrations. *Analytica Chimica Acta*, **2000**, 407, 213-223	6.6	13
94	A chemometric cleanup using multivariate curve resolution in liquid chromatography: Quantification of pesticide residues in vegetables. *Microchemical Journal*, **2017**, 134, 131-139	4.8	13
93	Thermogravimetric determination of l-ascorbic acid in non-effervescent formulations using multiple linear regression with temperature selection by the successive projections algorithm. *Thermochimica Acta*, **2011**, 526, 200-204	2.9	12
92	An automatic flow-batch standard-addition method for sodium determination in alcohol fuel by flame photometry. *Journal of the Brazilian Chemical Society*, **2003**, 14, 249-253	1.5	12
91	Prior assay as an approach to flow titrations. Spectrophotometric determination of iron in alloys and ores. *Analytica Chimica Acta*, **2000**, 416, 231-237	6.6	12
90	Screening analysis of natural gas with respect to methane content by near-infrared spectrometry. *Microchemical Journal*, **2014**, 114, 210-215	4.8	11
89	The Successive Projections Algorithm for interval selection in trilinear partial least-squares with residual bilinearization. *Analytica Chimica Acta*, **2014**, 811, 13-22	6.6	11
88	A Conductimetric System Based on Polyaniline for Determination of Ammonia in Fertilizers. *Analytical Letters*, **1997**, 30, 2189-2209	2.2	11
87	In-situ authentication of goat milk in terms of its adulteration with cow milk using a low-cost portable NIR spectrophotometer. *Microchemical Journal*, **2021**, 163, 105885	4.8	11
86	Emitter/receiver piezoelectric films coupled to flow-batch analyzer for acoustic determination of free glycerol in biodiesel without chemicals/external pretreatment. *Microchemical Journal*, **2018**, 138, 296-302	4.8	10
85	A monosegmented flow-batch system for slow reaction kinetics: spectrophotometric determination of boron in plants. *Talanta*, **2012**, 94, 111-5	6.2	10
84	Kinetics independent spectrometric analysis using non-linear calibration modelling and exploitation of concentration gradients generated by a flow-batch system for albumin and total protein determination in blood serum. *Talanta*, **2010**, 82, 1027-32	6.2	10
83	Precipitation titrations using an automatic titrator based on a multicommutated unsegmented flow system. *Analyst, The*, **2000**, 125, 333-340	5	10
82	Digital image-based tracing of geographic origin, winemaker, and grape type for red wine authentication. *Food Chemistry*, **2020**, 312, 126060	8.5	10
81	Non-destructive authentication of Gourmet ground roasted coffees using NIR spectroscopy and digital images. *Food Chemistry*, **2021**, 364, 130452	8.5	10

80	Second-order capillary electrophoresis diode array detector data modeled with the Tucker3 algorithm: A novel strategy for Argentinean white wine discrimination respect to grape variety. *Electrophoresis*, **2016**, 37, 1902-8	3.6	9
79	Multivariate analysis of the dielectric response of materials modeled using networks of resistors and capacitors. *IEEE Transactions on Dielectrics and Electrical Insulation*, **2013**, 20, 995-1008	2.3	9
78	A flowBatch luminometer. *Microchemical Journal*, **2013**, 108, 151-155	4.8	9
77	Sub-optimal wavelet denoising of coaveraged spectra employing statistics from individual scans. *Analytica Chimica Acta*, **2007**, 581, 159-67	6.6	9
76	Chemometrics-assisted color histogram-based analytical systems. *Journal of Chemometrics*, **2020**, 34, e3242	1.6	9
75	Macroemulsion-based dispersive magnetic solid phase extraction for preconcentration and determination of copper(II) in gasoline. *Mikrochimica Acta*, **2018**, 185, 99	5.8	8
74	Automatic Flow-Batch Approach Using CdTe Quantum Dots for Fluorescent Determination of Ascorbic Acid in Fruit Juices. *Food Analytical Methods*, **2014**, 7, 1598-1603	3.4	8
73	Single standard calibration and data processing in flow injection titration based on concentration gradients. *Journal of Automated Methods and Management in Chemistry*, **1997**, 19, 157-64		8
72	Biamperometric Determination of Tetracycline in Pharmaceuticals. *Analytical Letters*, **2007**, 40, 3070-3079	2.2	8
71	An improved leaping detector for flow analysis applied to iron speciation in drugs. *Journal of Automated Methods and Management in Chemistry*, **2000**, 22, 83-8		8
70	Simultaneous Analysis of Co2+, Cu2+ Mn2+, Ni2+ and Zn2+ in The Ultraviolet Region Using 4-(Pyridil-2-AZO) Resorcinol and Multivariate Calibration. *Analytical Letters*, **2000**, 33, 1187-1202	2.2	8
69	A single solution for non-linear calibration in flow injection spectrophotometry. *Analytica Chimica Acta*, **1999**, 401, 215-221	6.6	8
68	Implementation of a Generalized Standard Addition Method in a Flow Injection System Using Merging-Zones and Gradient Exploitation.. *Analytical Sciences*, **1999**, 15, 1235-1240	1.7	8
67	Identification of biodiesel feedstock in biodiesel/diesel blends using digital images and chemometric methods. *Analytical Methods*, **2016**, 8, 4949-4954	3.2	8
66	Screening analysis of garlic-oil capsules by infrared spectroscopy and chemometrics. *Microchemical Journal*, **2017**, 133, 480-484	4.8	7
65	Using a flow-batch analyzer for photometric determination of Fe(III) in edible and lubricating oils without external pretreatment. *Analytical Methods*, **2013**, 5, 1040-1045	3.2	7
64	Electrochemical study of ricin at glassy carbon electrode. *Analyst, The*, **2013**, 138, 4565-73	5	7
63	Improving the computational efficiency of the successive projections algorithm by using a sequential regression implementation: a case study involving nir spectrometric analysis of wheat samples. *Journal of the Brazilian Chemical Society*, **2010**, 21, 760-763	1.5	7

62	Simultaneous multielemental determination using a low-resolution inductively coupled plasma spectrometer/diode array detection system. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **1997**, 52, 2151-2161	3.1	7
61	Screening analysis of river seston downstream of an effluent discharge point using near-infrared reflectance spectrometry and wavelet-based spectral region selection. *Water Research*, **2005**, 39, 3089-97	12.5	7
60	Effect of the subsampling ratio in the application of subagging for multivariate calibration with the successive projections algorithm. *Journal of the Brazilian Chemical Society*, **2011**, 22, 2225-2233	1.5	7
59	A digital capture movie-based robotized Flow-batch luminometer for in-line magnetic nanoparticle solid phase extraction and chemiluminescent measurement. *Microchemical Journal*, **2020**, 153, 104387	4.8	7
58	Adsorptive Stripping Voltammetric Determination of Trace Level Ricin in Castor Seeds Using a Boron-doped Diamond Electrode. *Electroanalysis*, **2017**, 29, 1783-1793	3	6
57	Fluorescent fingerprints of edible oils and biodiesel by means total synchronous fluorescence and Tucker3 modeling. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 175, 185-190	4.4	6
56	In-line single-phase extraction for direct determination of total iron in oils using CdTe quantum dots and a flow-batch system. *Analytical Methods*, **2015**, 7, 7707-7714	3.2	6
55	The successive projections algorithm for interval selection in partial least squares discriminant analysis. *Analytical Methods*, **2016**, 8, 7522-7530	3.2	6
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52	A multiscale wavelet data treatment for reliable localization of inflection points for analytical purposes. *Journal of Chemical Information and Computer Sciences*, **2003**, 43, 1725-32		6
51	Flow injection determination of metronidazole through spectrophotometric measurement of the nitrite ion produced upon alkaline hydrolysis. *Journal of the Brazilian Chemical Society*, **2006**, 17, 609-613	1.5	6
50	Chromatographic quantification of seven pesticide residues in vegetable: Univariate and multiway calibration comparison. *Microchemical Journal*, **2020**, 152, 104301	4.8	6
49	A fast and sensitive flow-batch method with hydride generating and atomic fluorescence spectrometric detection for automated inorganic antimony speciation in waters. *Talanta*, **2020**, 207, 119834	6.2	6
48	Determination of triclocarban by direct and adsorptive stripping voltammetric methods on a glassy carbon electrode. *Analytical Methods*, **2015**, 7, 3268-3276	3.2	5
47	Unfolded partial least squares/residual bilinearization combined with the Successive Projections Algorithm for interval selection: enhanced excitation-emission fluorescence data modeling in the presence of the inner filter effect. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 5649-59	4.4	5
46	Modeling nonbilinear total synchronous fluorescence data matrices with a novel adapted partial least squares method. *Analytica Chimica Acta*, **2015**, 859, 20-8	6.6	5
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43	Sorbic Acid and Its Degradation Products: Electrochemical Characterization. *Analytical Letters*, **2012**, 45, 408-417	2.2	5
42	Redox Mechanisms of Nodularin and Chemically Degraded Nodularin. *Electroanalysis*, **2011**, 23, 2310-2319	3	5
41	Recomendaˆ □□es para calibraˆ □□o em quˆ □mica analˆ □ica: parte I. Fundamentos e calibraˆ □□o com um componente (calibraˆ □□o univariada). *Quimica Nova*, **2002**, 25, 856-865	1.6	5
40	Estudo comparativo sobre filtragem de sinais instrumentais usando transformadas de Fourier e Wavelet. *Quimica Nova*, **2001**, 24, 874-884	1.6	5
39	Scores selection via Fisher's discriminant power in PCA-LDA to improve the classification of food data. *Food Chemistry*, **2021**, 363, 130296	8.5	5
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